

2013 Annual Report on Oil and Gas Activities

State Oil and Gas Council Meeting
April 16, 2014

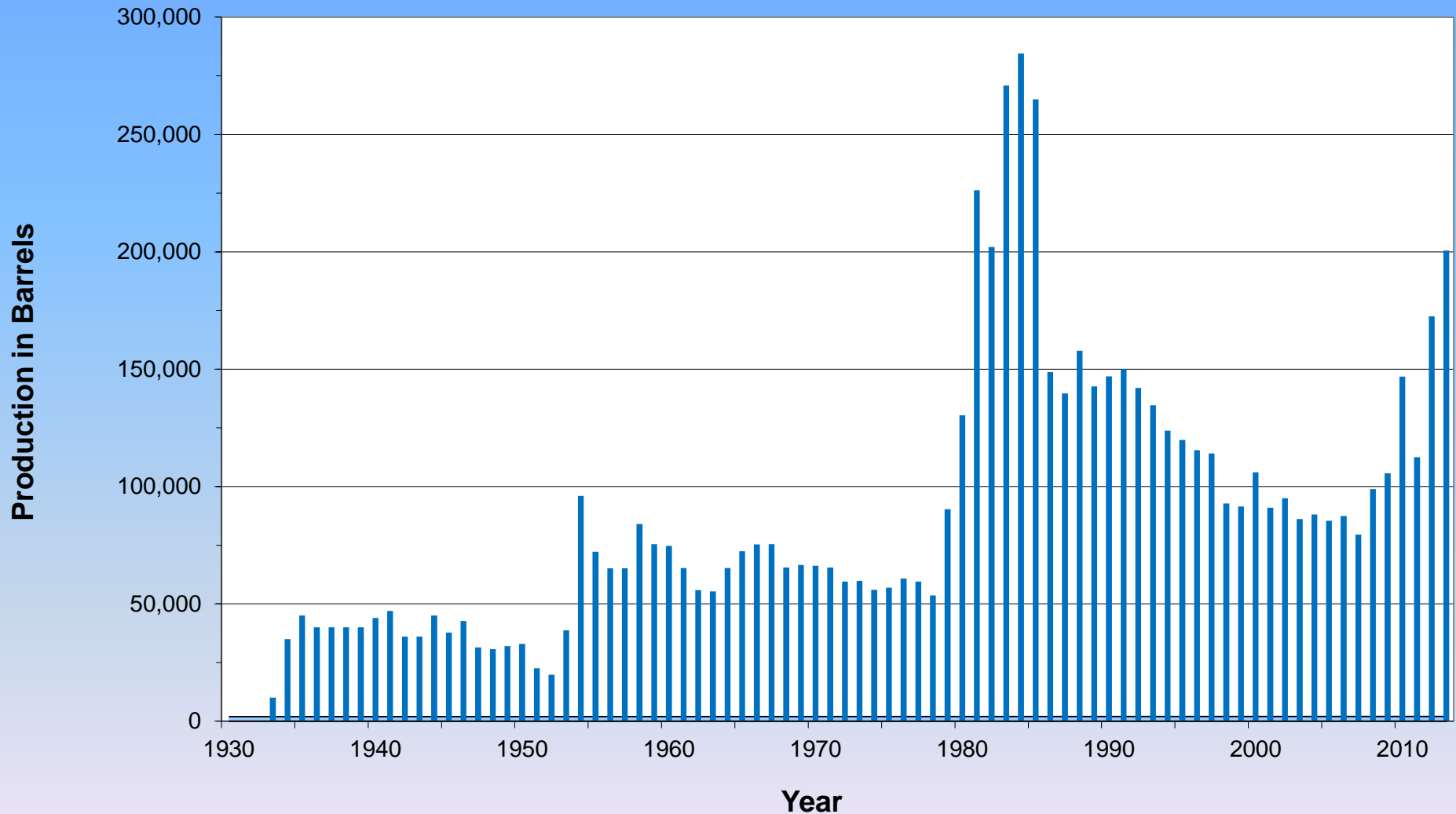
Missouri's Oil Production in 2013

- **601** active producing oil wells in 2013
- **200,566** barrels of oil produced
- Valued at about **\$17.7 million**
- Price per barrel ranged **\$75.74** to **\$91.32**
- Currently produced in six counties
- 20 companies operated in 2013
 - Currently 13 producing companies

Average Price for Missouri Oil

- Average price per barrel in 2013 - \$86.82 (↑~6%)
(ranging from \$75.74 to \$91.32)
- Average price per barrel in 2012 - \$83.22 (↓~4%)
(ranging from \$69.07 to \$94.22)
- Average price per barrel in 2011 - \$86.94 (↑~25%)
(ranging from \$71.28 to \$102.61)
- Average price per barrel in 2010 - \$69.84 (↑~32%)
(ranging from \$58.66 to \$81.02)

Historic Oil Production



MISSOURI

2013 Crude Oil Production By Operator

(Operators Producing >1.0% of Production)

	<u>bbls</u>	<u>% of total</u>
• Kansas Res. Expl. & Dev.-----	82,055	(41.78%)
• S&B Operating-----	33,839	(17.24%)
• Running Foxes Inc.-----	24,087	(12.01%)
• Investment Equipment-----	16,340	(8.46%)
• Colt Energy, Inc.-----	13,542	(6.75%)
• Laclede Gas Company-----	12,002	(5.98%)
• Laclede Oil Company-----	9,728	(4.85%)
• L.T Oil -----	2,872	(1.43%)
• T-5 Leasing-----	2,852	(1.42%)

MISSOURI

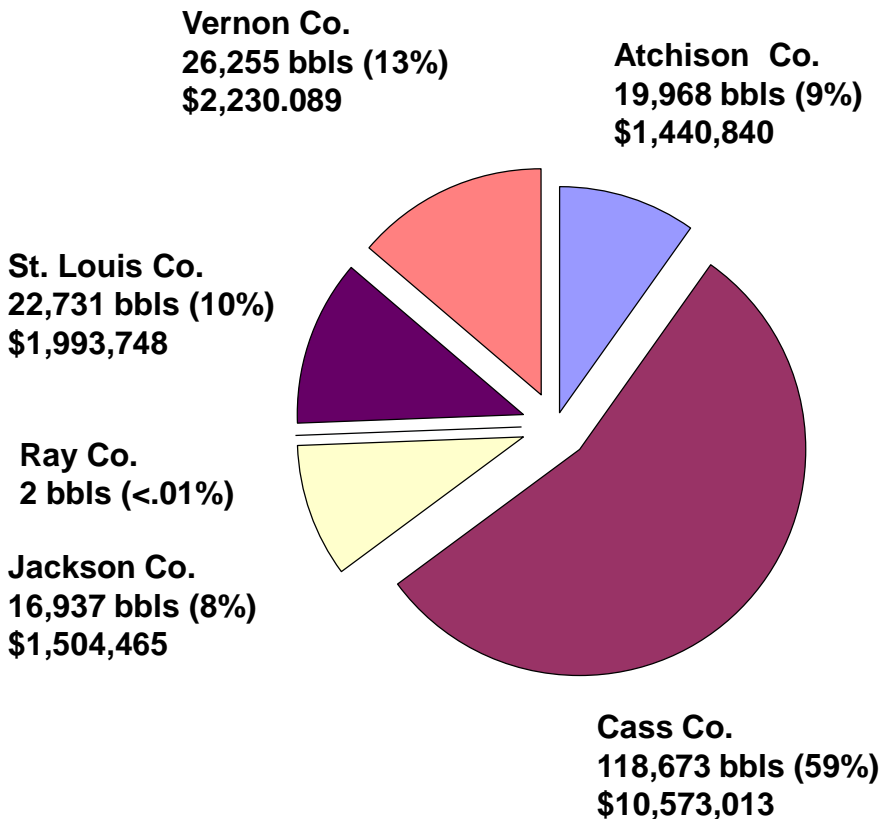
2013 Crude Oil Production By Operator

(Operators Producing <1.0% of Production)

	<u>bbls</u>	<u>% of total</u>
• Palo Petroleum-----	1,606	(0.83%)
• Zero CO2-----	429	(0.20%)
• AltaVista Energy-----	429	(0.20%)
• Encore -----	150	(0.07%)
• SCZ -----	64	(0.03%)
• IGWT-----	2	(0.001%)

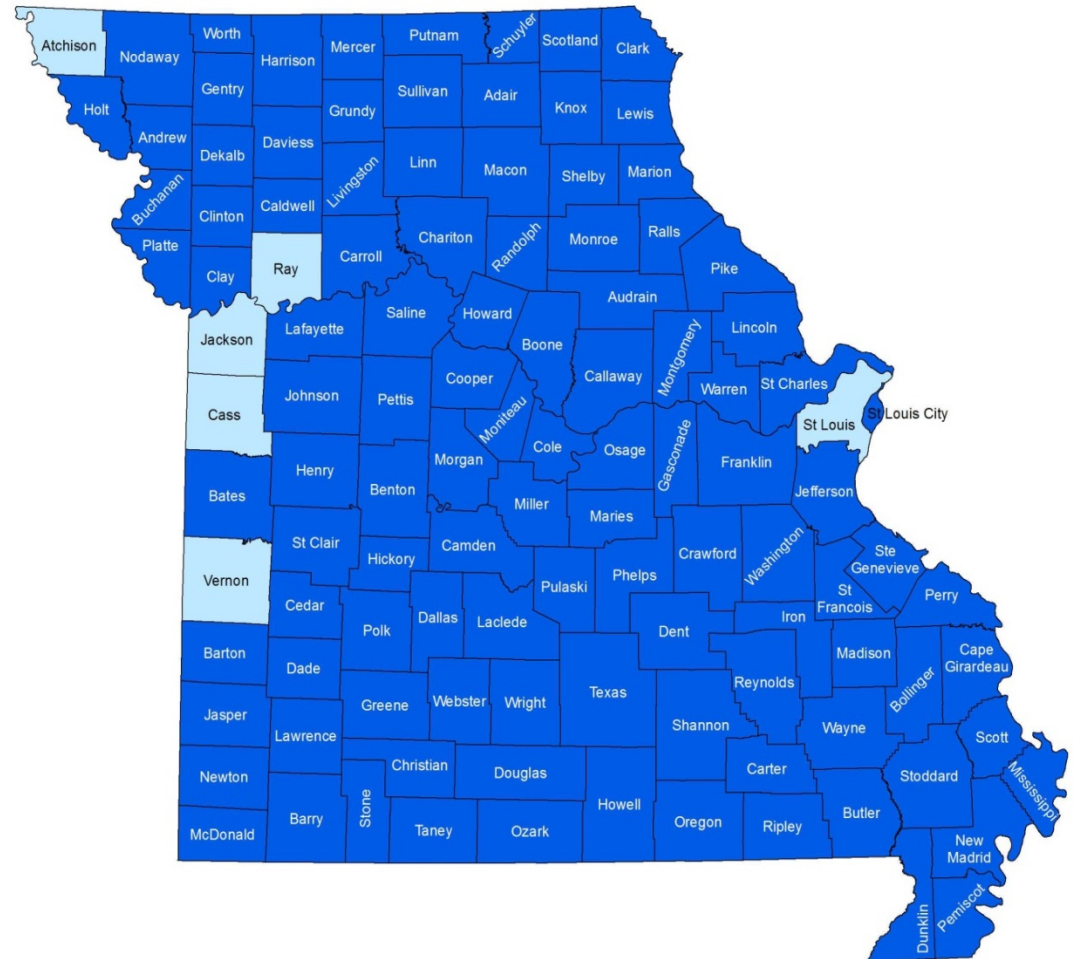
2013 Total Crude Oil Production----- 200,566 bbls

2013 Oil Producing Counties

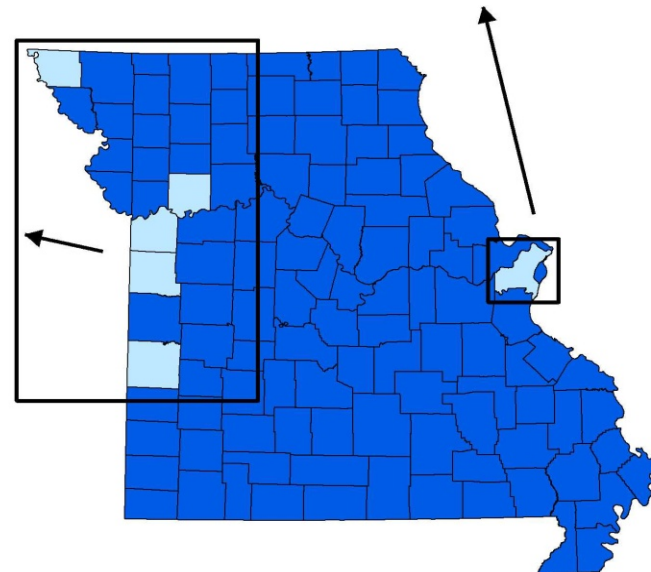
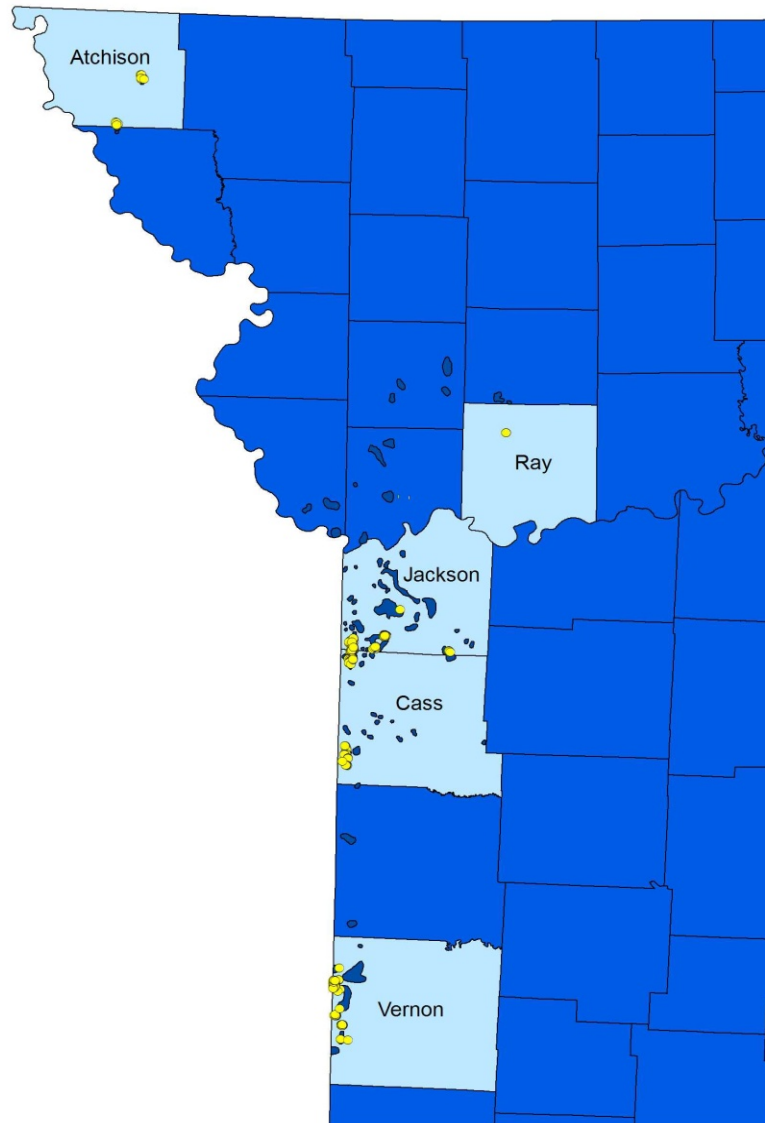


Total Production 200,556 bbls

Total Value \$17,706,158



Oil Producing Counties and Known Fields



Cass Co.

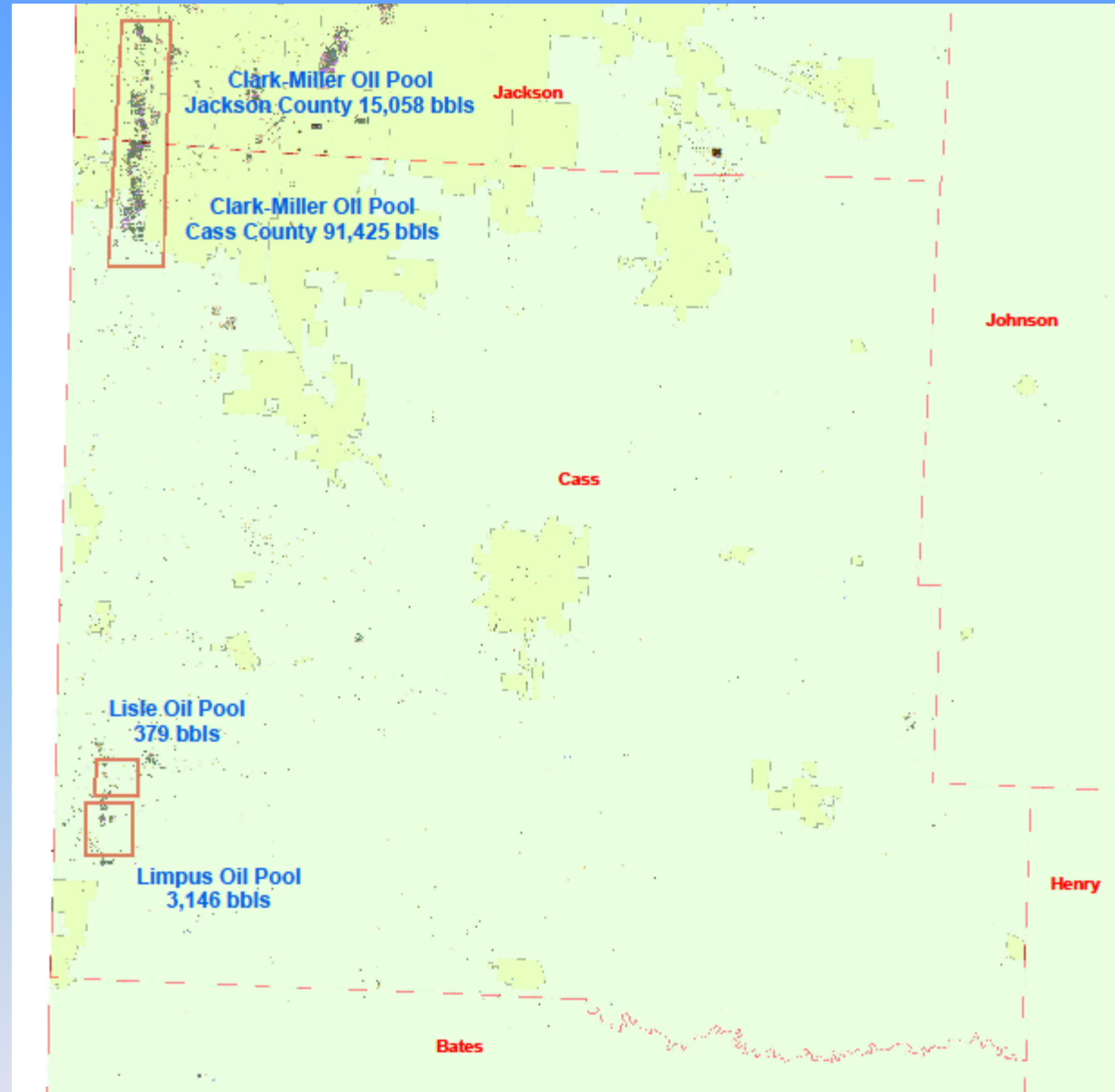
Missouri's Top Oil Producing County

- 118,673 bbls
- 59% of the total oil
produced in Missouri

Clark-Miller Oil Pool

Missouri's Top Oil Producing Pool

- 115,894 bbls
- 58% of total oil produced
in Missouri



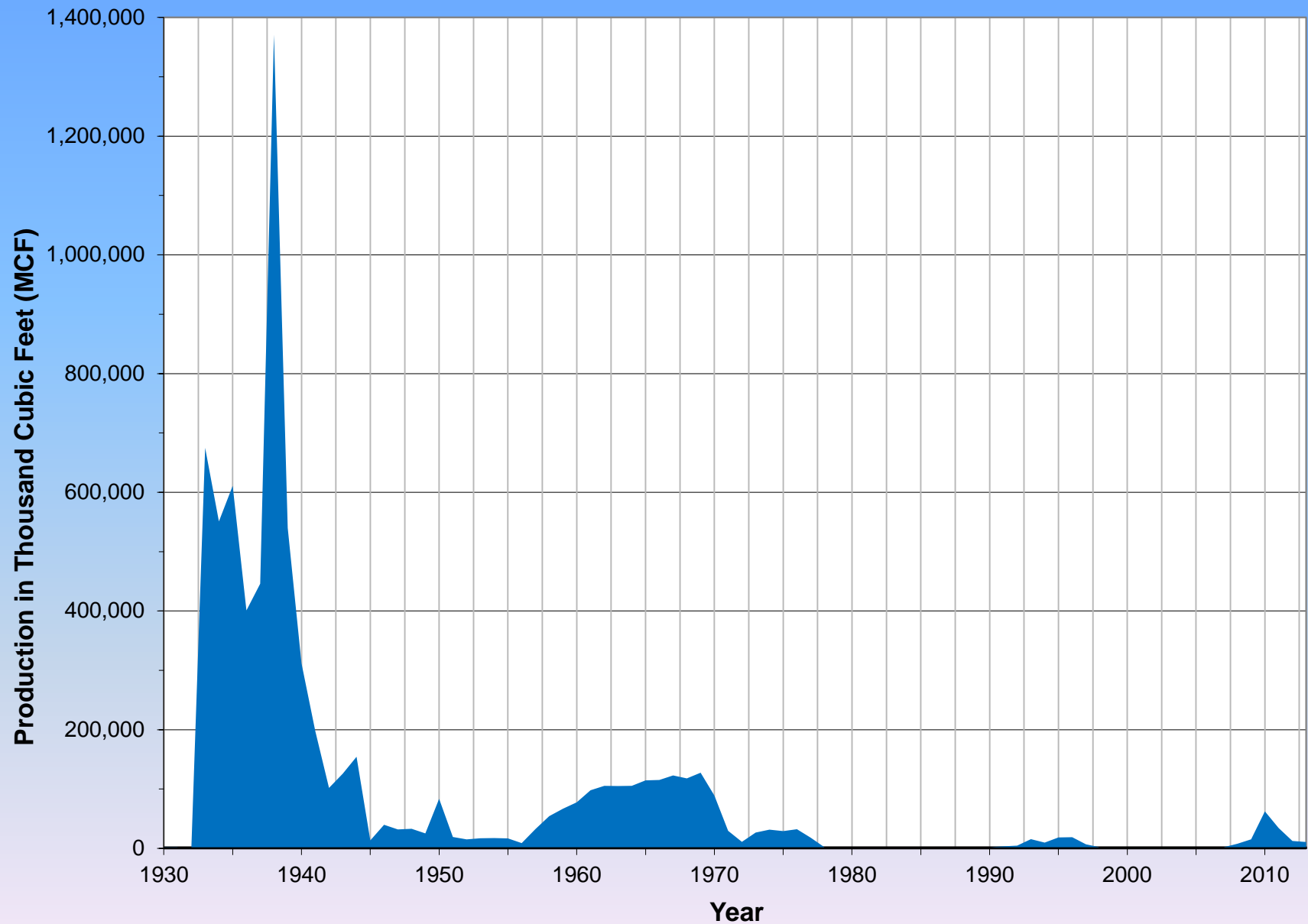
Oil Producing Counties and Known Fields

- In process of updating Oil and Gas Fields of Missouri, OFM-81-54-OG with plans for future posting on Oil & Gas web page
- Clark-Miller Oil Pool, with council established boundaries, posted on Oil & Gas web page

Missouri's Commercial Gas Production in 2013

- **7** active producing commercial gas wells in 2013
- Over **8,777** MCF of gas produced
- Valued at over **\$32,014**
- Price per MCF averaged **\$3.65**
- 86% in Vernon County, 14% in Clinton
- 2 active company / 0 inactive

Historic Commercial Gas Production



Missouri's Private Gas Wells

- 490 private gas wells
- **54** are active
 - 34 are in Cass County
- **436** wells with unknown status
- Five (5) counties have Active private gas wells
 - Cass, Clay, Clinton, Platte and Jackson
- Production reporting is exempted



Class II Injection Wells

- Wells that inject fluids in connection with oil/gas production
 - Disposal of produced salt water
 - Injection of gas as a liquid in a storage project
 - Injection of fluids for enhance recovery
- Missouri has 576 Class II wells
 - Saline Water Disposal - **15**
 - Gas Storage – **54** (Technically UIC Class V Wells)
 - Enhanced Oil Recovery - **561**

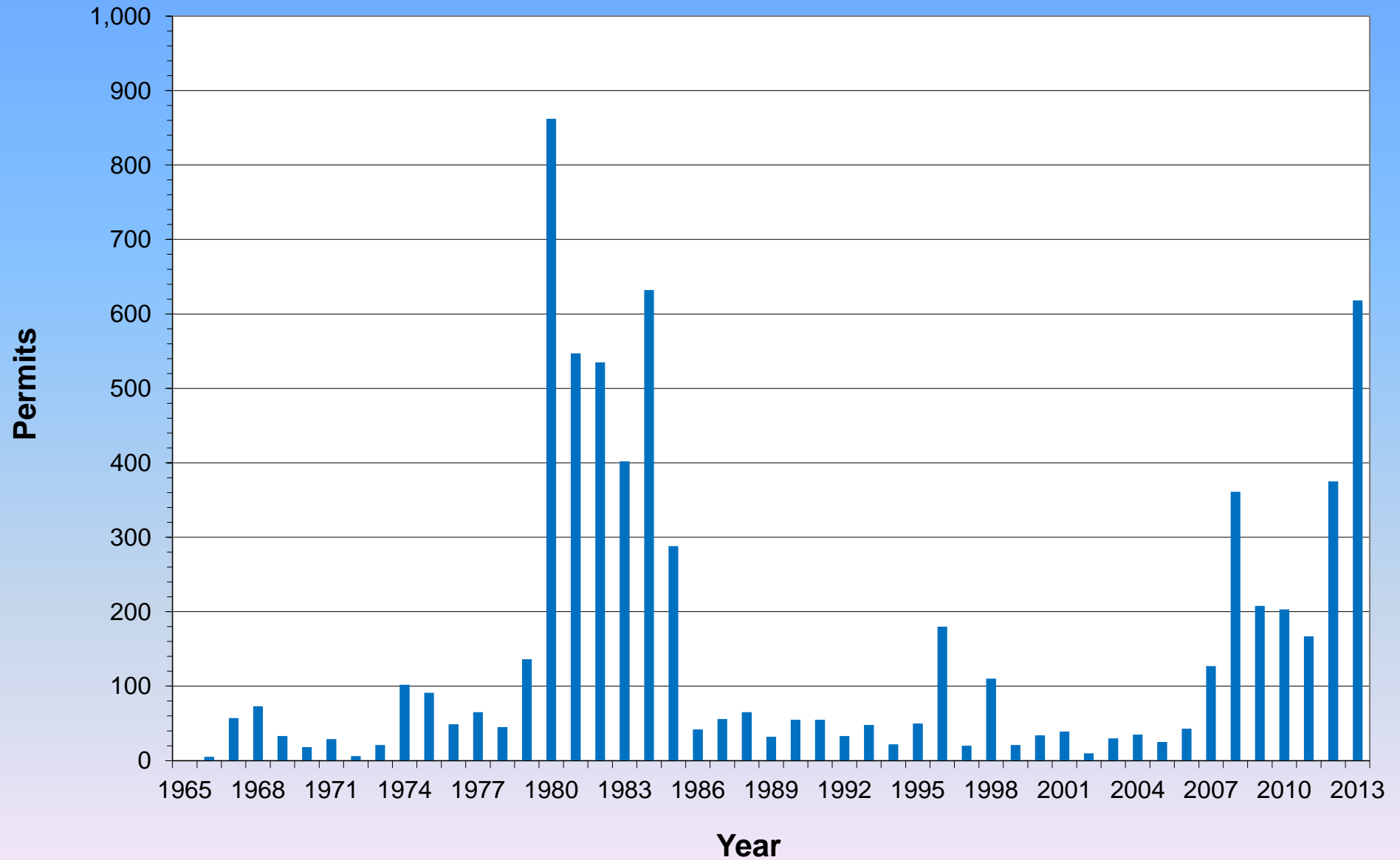
54 Class V
Gas Storage Wells

561 Enhanced Oil
Recovery Wells

2013 Permits Issued by DGLS

• Cass Cnty. (207)	19	SCZ resources, LLC.
	160	Kansas Resource Exploration & Development
	17	S & B Operating, LLC
	9	Town Oil Company
	2	Running Foxes Petroleum, Inc.
• Jackson Cnty. (34)	33	JTC Oil Company
	1	Barbra A. Giblin Revocable Trust
• Shelby Cnty. (4)	2	Baker, John Phillip
	2	Buzzard, Warren, R
• Vernon Cnty. (372)	6	Colt Energy, Inc.
	306	Murchison Oil & Gas, Inc.
	31	Palo Petroleum, Inc.
	10	Running Foxes Petroleum, Inc.
	18	Zero-CO ₂ , LLC
	1	Epic Oil Extractors, LLC
Total Permits - 617		

Historic Permitting



2013 Permitted Well Types

Well Type	Total	Active	Under Construction	Shut-in	Temporarily Abandoned	Plugged	Cancelled
Oil Production	145	6	130	0	0	3	6
Injection EOR	129	0	127	0	0	0	2
Injection SWD	0	0	0	0	0	0	0
Stratigraphic Test	323	0	0	0	0	323	0
Observation Well	20	2	2	0	0	0	0
Private Gas	0	0	0	0	0	0	0
Commercial Gas	0	0	0	0	0	0	0
Total	617	24	259	0	0	326	8

Missouri Wells Plugged

(oil/gas/injection/stratigraphic test)

2010	Wells Plugged	53
2011	Wells Plugged	34
2012	Wells Plugged	44
2013	Wells Plugged	348

Mechanical Integrity Tests & Lease Visits

- MIT were performed on **190** wells total (188 injection wells) in 2013.
- MGS staff witnessed **70** (37%) of all MIT conducted.
- **10** lease visits were performed in 2013
- Prepped and plugged **0** abandoned wells with O&G remedial funds
- The unit responded to over **1,546** oil/gas phone calls and inquiries during 2013.

Oil and Gas Remedial Fund Balance on 03/1/14

\$11,851

Total Bonding Held as of
03/19/14

\$1,611,009

Thank You